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PACIFIC COAST CLIMATES EXPLAINED.

Now that the climates which make and unmake so many sea-bounded countries are found to depend on great ocean currents, the study of the cold currents has become as vital as the investigations into the gulf stream, and other warm currents, like the great kuro siwo, which gives Japan her climatic prestige, says the New York Commercial.

To the busy reader the recondite publications of the hydrographers convey little of significance. But even the layman is aware that, under the Atlantic as well as the Pacific, is a stratum of ice-cold water, lying in places over 2000 fathoms below the surface. Curiously enough these two great strata of 35-degree water are alike, moving slowly northward in the seas south of the equator. Taking their origin from the Antarctic ice fields they both work northward.

The Atlantic stratum, however, comes to the surface in the equatorial region, having met an Arctic current of equal power, the force of the contending currents resulting in pushing each other upward. The cold waters from both poles thus commingle with the warm waters of the equator in the Atlantic.

The Pacific, on the other hand, being closed at the north, there is great deep sea current of cold water to meet and push up the Antarctic current; and it is the course and action of the unimpeded current from the south pole, directed and diverted by shore lines and inequalities of ocean beds, and hastened by the rotary thrust of the revolving earth, to which late investigations seem to ascribe the wonders of the Pacific coast climate.

Starting from the Antarctic circle as a current nearly 4000 miles in width, it is maintained that, in its 8000 miles of journeying toward Alaska, this current becomes gradually narrower and consequently of greater velocity, until, as the distance from the earth's axis diminishes, its retention of the more rapid eastward rotations acquired at the south results in its being driven powerfully against the western shores of our continent in about the latitude of Sitka.

The curve of the coast lines, the eastward rotary thrust of the earth and the current has caromed on the northern shore, and what was a northward current on the Asiatic side has become a southerly one on the American side, and its waters are washing the shores of our continent, where they bestow the coolness and moisture essential to an ideal climate. To this transmitted coolness of the Antarctic ice a Hawaiian writer ascribes the coolness, calm and exemption from tempests which make "a genial paradise of the otherwise sultry Hawaii."

POPULATION OF FRANCE.

The population of France is almost stationary at about 39,000,000, although the returns of the census of 1901 show a gain of 444,613 in five years from 1896 to 1901. The excess of births over deaths in France during this period was 220,042, which is more encouraging than the showing made during a previous five-year period, when the deaths outnumbered the births. When the figures are placed against those of any other European nation it appears that the birth rate in France is far below the general average, and that all other nations are increasing more rapidly.

Of 96 departments and one military territory, that of Belfort, in France, there are only 19 departments in which the population tends to increase. These 19 departments are all adjacent to the Seine province, which includes the capital; or they possess a large town, or are close to the frontier, and receive a large foreign influx. The increase in the population is confined to the towns only. France possesses 37 cities with over 50,000 inhabitants, and since 1896 the population has increased in 31 of them. It is the same in the smaller towns, but in the country districts the old aversion to large families not only prevails but would seem to be increasing.

NEW YORK'S HOSPITALITY.

The "country" bankers who went to New York to attend the American bankers' convention ought to have the time of their lives in the metropolis. The American Banker says that one downtown bank

set aside \$10,000 for the entertainment of visitors and that the individual expenditures of the New York banks for this purpose will probably exceed \$100,000. Anticipating, possibly, an objection from stockholders as to the propriety of such an expenditure from bank funds, a prominent bank official, quoted by the American Banker, says that it is perfectly proper.

"With three or four thousand out-of-town bankers in the city we have to give them a good time and incidentally strengthen connections in a business way. By meeting a delegate at the station and providing a handsome carriage for his transportation to the hotel and seeing that his wife and daughters receive flowers and courteous attention as soon as they are comfortably located, you can sometimes get next to a \$500,000 account. At any rate, this sort of thing will interest him a great deal more than the usual carefully written letter describing your surplus and heavy capitalization."

There is some "method" in the hospitality of these New York bankers. However, it may not be fair to criticize their open avowal. Millions are expended in the country at large every year in extending courtesies and hospitalities with similar motives, which are not always so frankly acknowledged.

In some of the cities of Maine, republicans and democrats are very evenly divided and elections are therefore most interesting. Voters seem to stick closely to party lines, and the smaller parties cut absolutely no figure. A copy of the Augusta Journal just received gives the detailed vote of Waterville, for instance: The republican candidate for governor received 1051 votes, to 1079 for his democratic opponent. The republican congressional candidate received the governor's 1079 votes, while his opponent received 1064. All three democratic candidates for state senators received 1060, while two of the republicans received 1047 and the third 1050. The county candidates received relatively the same vote, majorities of 6, 9, 10 and 15 being numerous. The close vote there at least insures good government, for the opposing parties must put up the best men in order to win.

Never having made any such assertion, The Astorian knows of no reason why it should point for the benefit of the Salem Statesman the clause of the constitution which guarantees to the democrat the right to go to a republican primary and "exercise the right of suffrage." As to The Astorian's contention that the provisions of the direct primary law which render it utterly impossible for the independent voter to take part in primary elections are at variance with the principles upon which our government is founded, we respectfully commend those sections of the constitution to be found between the expressions, "We, the people of the United States," and "In witness whereof we have hereunto subscribed our names."

Further interesting reports have been made by Russian surgeons concerning the effects of Japanese bullets upon the soldiers of the czar. These surgeons say that the balls from the rifles of the warriors of the mikado are of such size, shape and weight, that they make small, clean wounds, and many of the Russians who are put out of the fighting on battlefields are speedily restored to a sound condition. It is not denied, however, that the balls are effective enough for practical purposes in crippling and disabling infantry while the clash of arms is actually in progress, and he would be cruel and pitiless, indeed, who would desire a higher death rate among the opponents of the island empire.

Perhaps the strangest use to which music can be put is to stop the flow of blood from a wound. An army doctor noticed that when a wounded soldier was taken to within an easy hearing distance of music hemorrhage was greatly reduced or stopped. Neither he nor others, who confirmed his observations, could understand how this phenomenon was brought about, but it is now said that the vibration of the air produced by the music causes the patient to become faint, in which case the action of the heart is so considerably lessened that the overflow of blood is reduced.

This year, for the first time, all the children in the schools of Berlin were examined as to their health. There were 15,000 children and 36 examiners. The results were astounding. Ten per cent of the children were found insufficiently developed in body or mind, and had to be excluded for half a year or longer; 16 per cent were not strong enough to attend school, owing to the debilitating effect of scarlet fever or other diseases; 15 per cent suffered from anaemia or scrofula; 5 per cent had tuberculosis trouble, etc.

Two Frenchmen quarreled over a woman. One called the other "a thousand pigs," and a duel followed. Doubtless the consequences would have been much more terrible had the slanderer called the other fellow "two thousand pigs."

The Salem Statesman refers, in an article concerning the direct primary law, to Astoria's "resident United States senator." Let's see; isn't Salem in Oregon?

Famous Horse Dead.

Scituate, Mass., Sept. 19.—Glorious Flying Cloud, Thomas W. Lawson's famous show horse, is dead. Veterinary surgeons are unable to state the cause. The stallion had a record never beaten at a horsemeshow.

Port Salonica Pillaged.

Salonica, Sept. 19.—On September 17, 300 Arab soldiers pillaged Port Salonica. Bodies of patriots are now guarding the streets. Shlek Pasha is surrounded at Pristrend, and Suleiman Pasha, with 16 battalions, is proceeding to his relief.

The Meadows Racing Opens.

Seattle, Sept. 19.—The fall harness meeting opened at The Meadows today. All the harness events will be dash races, the association having decided to abandon heat races entirely this season.

Panic.

Stubb—"I know how the Japanese could be made to retreat."
 Penn—"How?"
 Stubb—"Let the czar go to the front and tell them the bright things his baby says."

HOTEL ARRIVALS.

Parker House.

James Gilbreath and wife Portland.
 Jacob Sture, Knappa.
 Mr. and Mrs. E. P. Foote, Victoria, B. C.
 J. P. Paul, Nahcotta, Wash.
 E. V. Garretson, Ilwaco, Wash.
 W. R. Donnelly, Portland.
 Sam Ramsey, Portland.
 L. Bell, Portland.
 C. F. Gill, U. S. A.
 Angus Gor, Portland.
 W. Blackstock, Fernhill.
 G. J. Jaspers, Stewarts, Ore.
 A. Osmundson, Brookfield, Wash.
 O. N. Hess, Youngs River.
 A. Olsen, Deep River.
 Jos. J. Spencer, Portland.

Say It's Fine.

Of course, everyone who saw the new bill at the Star yesterday says it is fine. No wonder, it is the best thing that has yet happened in vaudeville in this city. The public demands the best and the Star gives it, consequently the Star is popular.

Leather vests, collars and cuffs give a smart touch to tailor gowns. With a brown cloth hat is worn a double breasted white suede vest with gold buttons, and a tan leather vest is embroidered with black, gold and green.

There is a lot of glory for the Japanese in Manchuria. But a frightful number of gallant soldiers, on both sides, who no longer know the meaning of the word.

One difference between the two parties is comprised in the facts that the republican party doesn't need any money and Unk' Hang Gassaway won't put up any.

Bucklen's Arnica Salve.

Has world-wide fame for marvellous cures. It surpasses any other salve, lotion, ointment or balm for cuts, corns, burns, boils, sores, felons, ulcers, tetters, salt rheum, fever sores, chapped hands, skin eruptions; infallible for piles. Cure guaranteed. Only 25c at Chas. Rogers', druggist.

School Notice.

Owing to the repairs not yet being completed at the Adair school building the regular school exercises will not be commenced there on next Monday, September 26. The pupils of this school will, however, report there on next Monday morning for enrollment. E. Z. FERGUSON, School Clerk.



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Our new illustrated catalogue giving full information about the PACIFIC LUTHERAN ACADEMY AND BUSINESS COLLEGE will be sent free to any address on application.

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P. A. STOKES

"The Store That Does Things"

Below is a cut of our four button sack "The Arvon" made by Crouse & Brandegee. It has a broad shoulder, broad lapel and is altogether a "top notcher" with the swell dresser.

Sold P. A. STOKES' way,
 "Money Back If You Want It"



We are also showing young men's garments in three button styles with front slightly rounded, vent in back. This garment appeals to the young man. A glance in our center window will put you wise to what is proper in clothing. :: :: ::

Sold P. A. STOKES' way,
 "Money Back If
 You Want It"

P. A. STOKES

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